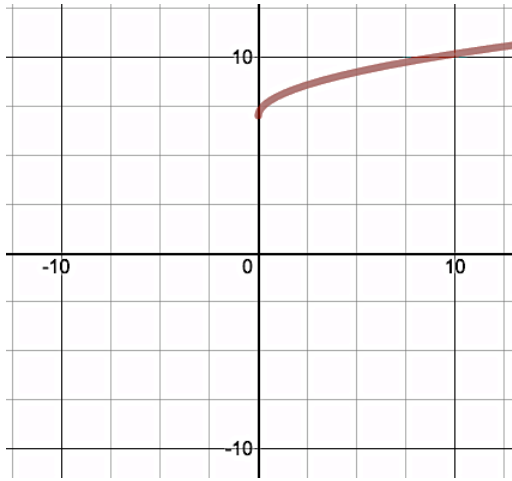
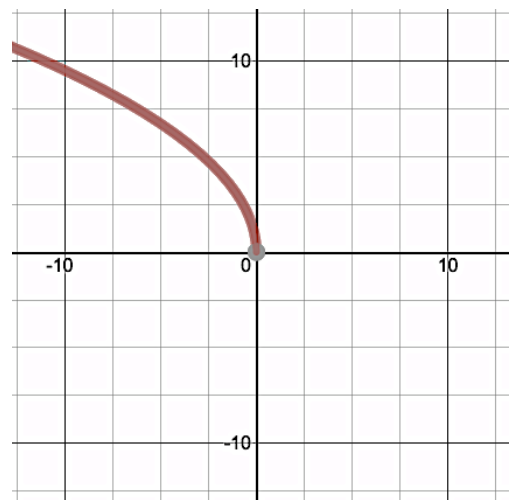


Key

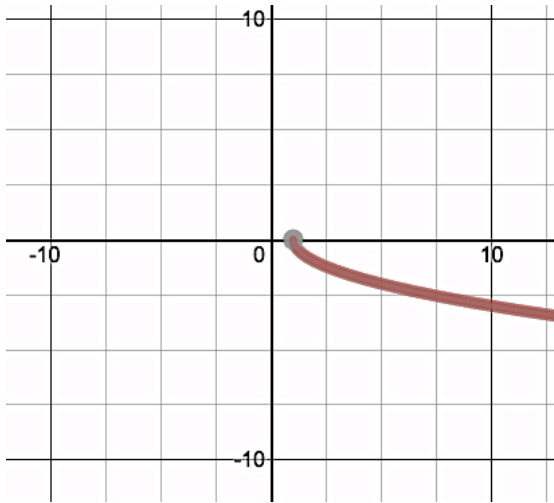
1.



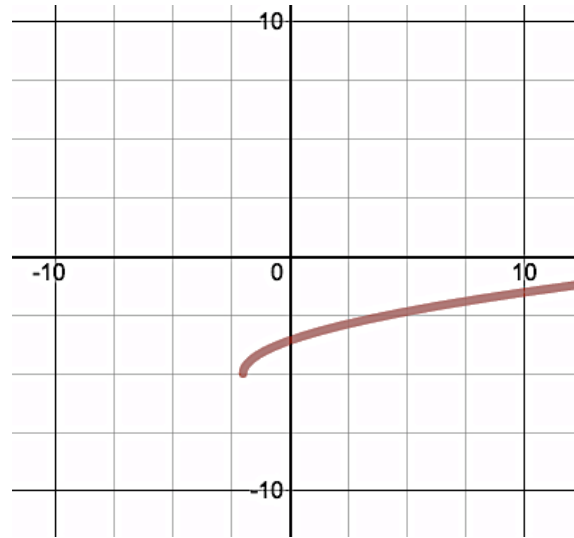
2.



3.

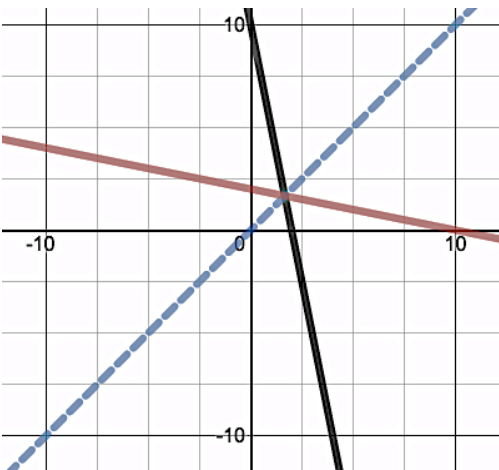


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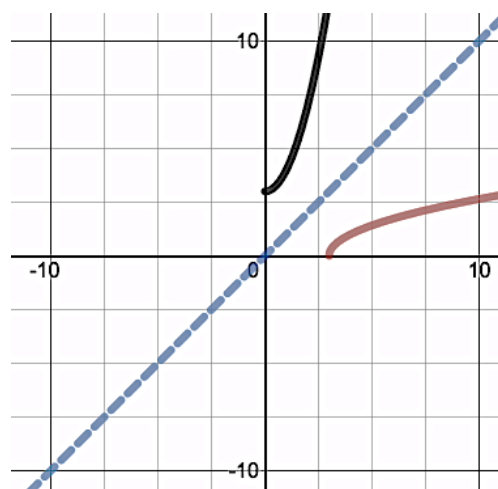


5. $f(x) = -\frac{2}{3}\sqrt{x-1} - 6$

6. $f^{-1}(x) = \frac{10-x}{5}$



7. $f^{-1}(x) = \sqrt{x-3}$



8. $\{(-10,1)(-4,3)(4,5)(14,7)(26,9)\}$	9. <table border="1" data-bbox="906 92 1403 172"> <tbody> <tr> <td>Input</td> <td>6</td> <td>3</td> <td>0</td> <td>3</td> <td>6</td> </tr> <tr> <td>Output</td> <td>-4</td> <td>-2</td> <td>0</td> <td>2</td> <td>4</td> </tr> </tbody> </table>	Input	6	3	0	3	6	Output	-4	-2	0	2	4
Input	6	3	0	3	6								
Output	-4	-2	0	2	4								
10. a. $f^{-1}(x) = \frac{x-1}{2}$ b. Yes	11. a. $f^{-1}(x) = \sqrt{x-4}$ b. No												
12. $x=100$	13. $x=10$												
14. $x=9$	15. $x=14$												
16. $x \neq \frac{1}{5}$ Extraneous	17. $x = -22$												
18. $x=4$ (Solution) $x \neq -1$ (Extraneous)	19. $x=1$ (Solution) $x \neq -\frac{5}{9}$ (Extraneous)												